

## INTERNATIONAL SEARCH REPORT

In 1al Application No  
PCT/US2005/001025

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B25B27/00 B60J10/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B65H B23P B25B B62D B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 172 313 A (TAKAHASHI, KIHEI) 30 October 1979 (1979-10-30) the whole document	1,2,4-7
A	US 5 735 032 A (STONE ET AL) 7 April 1998 (1998-04-07) the whole document	1
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) & JP 2001 171570 A (KANSAI PAINT CO LTD), 26 June 2001 (2001-06-26) abstract	1,8,9, 16-19-
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex. ----

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

12 May 2005

Date of mailing of the international search report

25/05/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN  vol. 2003, no. 12,  5 December 2003 (2003-12-05)  &amp; JP 2003 285970 A (KOKOKU KIKO KK),  7 October 2003 (2003-10-07)  abstract</p> <p>-----</p>	<p>1,8,9,  17,18,  20,21</p>

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Information on patent family members

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